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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/582,280	02/20/2008	Johannes Meerdink	2144.000800/KDG 2928	
	7590 01/22/200 IORGAN & AMERSO		EXAMINER	
10333 RICHMO	OND, SUITE 1100	-,	COVINGTON, RAYMOND K	
HOUSTON, TX 77042			ART UNIT	PAPER NUMBER
			1625	
			MAIL DATE	DELIVERY MODE
			01/22/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Comments	10/582,280	MEERDINK ET AL.				
Office Action Summary	Examiner	Art Unit				
	Raymond Covington	1625				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 06 No	Responsive to communication(s) filed on <u>06 November 2008</u> .					
<i>i</i>	/ -					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-21</u> is/are pending in the application.	Claim(s) 1-21 is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-21</u> is/are rejected.	·					
7) Claim(s) is/are objected to.						
	8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:						
·— <u> </u>	1. Certified copies of the priority documents have been received.					
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application						
Paper No(s)/Mail Date 6) Other:						

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over O'Brien et al US 5521278 and Drysdale et al US 5236560.

Both O'Brien et al and Drysdale et al teach a process for the purification of lactide by condensing the vaporous reaction mixture, removing lactic acid and water as an overhead fraction, removing a higher boiling bottom fraction and a recycling step. See, respectively, column 8 line 60 to column 9 line 18, and, column 4 lines 56-67 with column 5 lines 29-57.

To use somewhat different but otherwise analogous process parameters in an otherwise well-known purification technique would have been obvious tone of ordinary skill in the art as the results, purified product, would not have been unexpected.

Applicants' comments have been noted and considered but are not deemed persuasive of patentability. It is noted that the functional equivalent of the

recification column being mounted in relation to the depolymerisation reactor is taught by the cited prior art. See, for example column 2 step E of O'Brien et al where water and lactide are removed as vapor. Also note that condensation is equivalent to applicants' claimed liquification. Further, Steps C, O'Brien et al and (c), applicants, correspond. That is, the vapor miture/vapor faction removed from the reactor is condensed. See, for example column 3 step C lines 18-23. In addition to the above recycling reaction components back to a reactor is an obvious expeditent well-known to a person of ordinary skill in the chemical arts.

No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond Covington whose telephone number is (571) 272-0681. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres at telephone number (571) 272-0867.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/R. C./ Examiner, Art Unit 1625 RKC /Janet L. Andres/ Supervisory Patent Examiner, Art Unit 1625